

大阪地震累年報

Results of the Seismological Observation in Osaka,
for the several years in succession.



月日 Date	發震時 P. m. s.			第一初期 P-Sor P-L m. s.		第二初期 S-L m. s.		最大動出現 時 M. h. m. s.			振幅 Ampli- tude μ	振動期 Period s.	距離 J K.M.	震央 Epicenter	
	h.	m.	s.	m.	s.	m.	s.	h.	m.	s.					
大 正 二 年 (1913)															
I	2	0	3	22	1	29	—	0	5	51	-20	3.1	680	Off the coast of Mutu.	
"	2	15	52	36	1	24	—	15	55	32	+10	4.4	650	—	
"	5	17	22	33	1	24	—	17	26	57	+937	6.9	650	Off the coast of Satuma.	
"	6	15	24	36	0	53	—	15	26	12	+190	3.4	420	Near Tokyo.	
"	7	8	11	12	0	22	—	8	12	40	+30	2.9	200	Bingo-nada.	
"	7	22	54	53	3	28	—	23	3	14	-130	7.6	2080	Near Karenko, Formosa.	
"	8	19	21	46	3	10	—	19	31	33	+55	9.1	1960	"	
"	9	2	59	19	3	31	—	3	8	32	-190	9.1	2100	"	
"	9	4	12	9	3	36	—	4	21	50	+45	4.8	2130	"	
"	9	6	11	36	1	55	—	6	15	41	-115	4.8	870	Off Amami Osima Island.	
"	9	11	15	10	3	20	—	11	23	40	-17	5.0	2030	Near Karenko, Formosa.	
"	9	12	30	35	3	26	—	12	35	59	+37	5.2	2070	"	
"	10	7	38	44	3	31	—	7	46	42	+52	4.3	2100	"	
"	11	13	23	49	5	28	3	41	13	36	22	+427	12.5	4250	Near Celebes Island.
"	16	7	2	21	0	10	—	7	2	55	+21	1.6	110	In the Kii channel.	
"	17	11	53	53	0	49	—	11	54	42	+65	2.1	200	Southern part of Yamato.	
"	19	17	15	25	7	35	5	59	17	40	30	+50	6.2	6420	West Off Sumatra Island.
"	19	23	51	52	3	8	—	23	55	32	-425	4.8	1950	Southern part of Kurile Islands.	
"	27	9	22	18	0	19	—	9	22	42	-15	1.5	180	Near Takayama, Iida.	
"	28	8	17	36	0	15	—	8	18	5	+18	1.2	150	In the Kii channel.	
II	1	11	3	10	0	50	—	11	5	9	-41	2.6	400	In the Uraga channel.	
"	5	10	27	42	0	33	—	10	28	52	+16	1.5	280	Near Suwa, Sinano.	
"	7	3	7	38	3	46	—	3	16	46	-110	9.6	2200	East Off Marianne Island.	
"	11	21	48	22	1	48	—	21	52	58	+107	5.0	820	East off Tanegasima Island.	
"	12	1	59	35	0	37	—	2	0	48	+123	3.4	260	Near districts of Kinai.	
"	14	19	1	0	7	14	—	19	10	12	+20	5.0	3560	In the South sea.	
"	15	6	28	9	1	13	—	6	29	31	+15	3.8	570	Off the coast of Kazusa.	
"	15	21	1	58	1	25	—	21	5	55	-30	5.8	650	Off the coast of Rikutyu.	
"	20	9	1	21	1	46	—	9	4	48	+1165	5.8	810	Off the coast of Mutu.	
"	25	20	5	45	0	51	—	20	8	6	-20	3.6	410	Bay of Tokyo.	
III	2	5	12	6	1	5	—	5	13	40	-46	3.8	510	Off the coast of Kazusa.	
"	3	6	31	23	0	58	—	6	33	23	-49	3.6	460	Near the lake Kasumigaura.	
"	3	20	4	18	1	50	—	20	8	27	+142	6.7	840	Amami Osima.	
"	6	2	23	59	—	—	—	2	34	51	-42	19.2	—	A distant earthquake	
"	6	11	12	1	7	2	6	12	11	29	53	-35	19.2	5860	"
"	9	16	42	55	0	55	—	16	44	0	-31	4.3	440	Off the coast of Awa	
"	13	13	48	25	0	18	—	13	48	55	-12	1.4	170	In the Kii channel	
"	14	8	51	21	4	57	—	8	59	42	-3655	26.4	2660	East off Mindanao Island	
"	23	20	50	43	2	34	—	20	53	55	-622	5.8	1730	—	
"	26	21	41	41	—	—	—	21	43	54	-18	3.5	—	SE off the coast of Luzon, Philippine	
"	27	22	55	41	0	23	—	22	56	28	-11	2.4	200	Off the coast of Kii	
"	30	4	9	42	0	14	—	4	10	26	-405	3.8	140	Kitamuro-gun, Kii.	
"	31	3	48	12	5	56	3	22	4	2	4	-130	12.0	4730	Near Kamtchatka

時刻

本表ノ時刻ハ緯度時ヲ用ヒタルヲ以テ之ヲ本邦中央標準時トナスニハ九時ヲ加フベシ例ヘバ二日ノ二十三時ハ三日ノ八時トナルガ如シ

大阪地震累年報

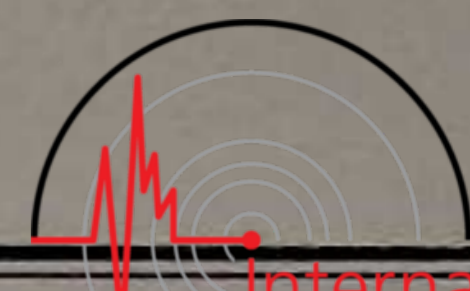
Results of the Seismological Observation in Osaka,
for the several years in succession.



月日 Date	震時 P.			第一初期 P-S or P-L		第二初期 S-L		最大動出現 時 M.			振幅 Amplitude μ	振動期 Period s.	距離 Distance K.M.	震央 Epicenter 地 Centre
	h.	m.	s.	m.	s.	m.	s.	h.	m.	s.				
IV 1	1	1	11	0	55	—	—	1	2	45	-56	4.0	440	Off the coast of Chosi.
" 2	23	54	1	—	—	—	—	23	55	9	-962	3.7	440	Hyuga-nada
" 3	1	27	26	0	51	—	—	1	28	28	-46	2.6	410	"
" 3	5	17	35	0	50	—	—	5	19	2	-7	2.8	400	"
" 3	10	46	9	—	—	—	—	10	47	40	-10	2.8	—	Near Nanking, China
" 3	18	28	8	—	—	—	—	18	29	37	-5	2.0	—	"
" 5	5	39	32	1	10	—	—	5	41	9	+11	3.8	550	Iwaki-nada
" 6	0	18	19	0	40	—	—	0	18	51	-5	1.8	330	Northern part of Kai
" 7	13	49	18	1	35	—	—	13	52	23	-675	13.4	730	—
" 8	2	22	18	1	41	—	—	2	25	11	-257	14.8	770	Far off the coast of Iwaki
" 9	18	12	32	—	—	—	—	18	17	47	+15	4.0	—	A distant earthquake
" 11	9	28	44	—	—	—	—	9	32	15	+87	9.6	770	Far off Boso peninsula
" 13	6	41	29	1	7	—	—	6	43	10	+1672	4.8	520	Hyuga-nada
" 14	7	52	46	3	15	—	—	8	0	51	+45	12.0	1990	Southern part of Formosa
" 16	3	43	12	—	—	—	—	3	44	42	-8	3.8	—	—
" 16	9	56	32	—	—	—	—	9	58	30	-5	2.8	—	—
" 16	11	56	40	—	—	—	—	11	58	11	-8	3.0	—	East coast of Honsyu
" 16	20	2	10	—	—	—	—	20	3	31	-7	2.5	—	—
" 18	13	19	14	5	8	3	38	13	30	36	-37	9.6	3910	Mindanao Island
" 18	19	8	14	5	5	4	0	19	19	19	+125	18.7	3850	"
" 20	10	12	26	1	17	—	—	10	17	1	+77	4.8	590	Hyuga-nada
" 20	14	53	23	0	50	—	—	14	55	25	+95	4.0	400	"
" 22	16	13	55	0	19	—	—	16	14	15	+30	1.5	180	Central part of Inland sea
" 24	0	58	13	—	—	—	—	1	5	9	-35	4.8	—	Near Java Island
" 24	9	28	4	—	—	—	—	9	38	14	-8	14.0	—	North Eastern part of Mindanao Island
" 24	10	20	54	4	47	3	9	10	31	57	-497	18.7	3550	"
" 24	12	21	12	4	32	3	4	12	31	7	-105	9.6	3290	"
" 24	23	44	44	—	—	—	—	23	53	4	-26	9.0	—	"
" 25	18	2	22	4	38	2	57	18	11	30	-1795	25.6	2540	East Off Mindanao Island
" 25	21	6	53	—	—	—	—	21	20	43	-7	9.0	—	"
" 25	22	56	23	—	—	—	—	23	7	48	-6	7.8	—	"
" 26	3	53	46	—	—	—	—	4	10	46	-6	8.2	—	"
" 26	4	11	46	4	41	3	14	4	26	5	+45	12.0	3440	"
" 26	4	27	43	4	31	3	22	4	35	36	-62	14.4	3270	"
" 27	8	17	35	5	7	3	29	8	30	39	-22	7.2	3890	"
" 27	13	1	8	—	—	—	—	13	10	36	-20	7.2	—	A distant earthquake
" 28	3	35	29	4	23	3	0	3	48	18	-24	9.2	3140	In the South sea
" 28	18	45	17	4	25	3	10	18	56	26	+65	8.6	3170	Mindanao Island
" 29	3	14	5	4	23	3	15	3	24	3	-33	9.4	3140	"
" 30	11	42	15	6	6	4	0	11	59	20	+42	14.4	4900	A distant earthquake
" 1	1	43	32	—	—	—	—	1	51	22	+45	7.5	—	"
" 4	6	4	33	1	26	—	—	6	6	28	-13	3.0	660	Eastern part of Honsyu
" 4	16	10	35	1	20	—	—	16	12	5	+6	3.4	620	Iwaki-nada
" 5	6	44	44	—	—	—	—	6	55	40	+10	8.9	—	South off Ryukyu Islands
" 5	9	10	20	—	—	—	—	9	20	20	+12	7.2	—	"

時刻 本表ノ時刻ハ観測時ヲ用ヒタルヲ以テ之ヲ本邦中央標準時トナスニハ九時ヲ加フベシ例ヘハ二日ノ二十三時ハ三日ノ八時トナルガ如シ

大阪地震累年報

Results of the Seismological Observation in Osaka,
for the several years in succession.International
Seismological
Centre

月 Date	日	發 h.	震 P. m.	時 s.	第一初期 P-Sor-P-I. m. s.	第二初期 S-L. m. s.	最大動出現 時 M. h. m. s.	振幅 Amplitude p	振動期 Period s.	距離 Δ K.M.	震 央 Epicenter	
V	5	23	8	18	3	24	—	23 20 18	+ 10	9.6	2050	South off Ryukyu Islands
"	5	23	49	31	—	—	23 57 36	+ 30	11.0	—	—	—
"	6	1	28	1	2	5	—	1 31 8	+182	14.4	1540	S. far off Bonin Islands
"	6	6	23	37	3	33	—	6 33 2	+ 15	9.6	2110	South of Ryukyu Islands
"	6	11	23	41	3	40	—	11 30 51	+ 22	6.2	2160	"
"	6	15	7	38	3	24	—	15 19 23	+ 30	7.7	2050	"
"	6	23	57	35	—	—	0 13 45	+ 20	9.6	—	—	"
"	7	4	13	35	3	20	—	4 27 23	+ 12	8.6	2030	"
"	7	9	42	32	—	—	9 50 42	- 13	8.2	—	—	"
"	7	12	45	45	—	—	12 55 10	- 10	9.0	—	—	"
"	8	0	8	40	—	—	0 19 0	+ 7	6.8	—	—	"
"	8	3	26	52	—	—	3 37 52	- 20	7.2	—	—	"
"	8	12	26	42	—	—	12 35 27	+ 12	6.0	—	—	"
"	8	18	41	2	—	—	18 53 9	- 47	9.0	—	—	"
"	8	23	47	16	—	—	23 58 16	+ 25	6.2	—	—	"
"	9	14	3	16	—	—	14 12 30	- 20	6.2	—	—	"
"	9	16	30	38	—	—	16 41 9	+ 45	6.7	—	—	"
"	9	21	32	16	—	—	21 40 6	+ 25	9.0	—	—	"
"	14	12	30	5	—	—	12 31 38	- 9	3.0	—	—	—
"	17	16	26	17	1	9	—	16 28 23	- 16	3.0	540	Southern part of Kyusyu
"	18	2	14	2	4	0	2 10	2 21 7	+1555	24.5	2290	In the South sea
"	18	18	34	23	0	56	—	18 35 44	+ 28	2.8	440	In the Bungo channel
"	20	3	56	2	—	—	4 6 44	- 22	14.4	4160	Southern part of Formosa	
"	20	10	27	22	—	—	10 33 32	+ 7	7.2	1920	Near Okinawa Islands	
"	21	13	56	54	6	40	4 5	14 12 44	+ 25	9.2	5480	In the South sea
"	21	20	37	1	0	59	—	20 38 46	+572	4.2	470	Kasima-nada
"	26	7	17	55	1	6	—	7 20 17	+ 20	6.2	520	Suo-nada
"	27	23	58	10	0	54	—	0 0 18	- 32	4.2	430	Bay of Sagami
"	28	13	45	55	0	16	—	13 46 48	+ 8	2.0	150	Near Iga province
"	29	10	13	25	1	9	—	10 15 25	+1562	5.5	540	Kasima-nada
"	29	13	33	49	—	—	13 46 39	+ 30	11.5	—	—	North off Iuzon, Philippine
"	30	11	55	15	6	8	3 31	12 6 13	-2037	28.8	4500	In the South sea.
VI	4	10	4	47	5	56	2 58	10 13 42	-447	19.2	4730	"
"	6	2	42	29	1	7	—	2 44 40	-227	5.5	520	Near Hatijo Island
"	7	14	23	41	—	—	14 28 55	- 17	13.9	—	—	In the South sea
"	11	5	59	53	2	14	—	6 4 12	-207	14.4	1600	"
"	14	9	49	15	23	20	—	10 17 7	-125	19.2	9880	Bulgaria
"	18	8	46	5	1	26	—	8 50 6	+ 55	4.6	660	South off Kyusyu
"	22	13	57	29	5	43	4 14	14 9 37	- 75	19.8	4500	Southern part of Alaska
"	25	17	20	46	1	5	—	17 22 22	- 7	2.8	510	Southern part of Iwaki
"	25	20	1	2	—	—	20 2 13	- 17	3.0	—	—	In the Kanmon channel
"	26	5	8	56	9	39	9 28	5 39 48	-930	20.2	8540	Near Tonga Island
"	29	8	25	20	1	12	—	8 27 57	+ 80	6.7	560	Near Kagosima
"	30	7	9	24	1	12	—	7 13 2	-170	5.8	560	"
"	30	7	51	26	1	11	—	7 54 51	-145	5.3	550	"

時刻

本表ノ時刻ハ観測時ヲ用ヒタルヲ以テ之ヲ本邦中央標準時トナスニハ九時ヲ加フベシ例ヘハ二日ノ二十三時ハ三日ノ八時トナルガ如シ

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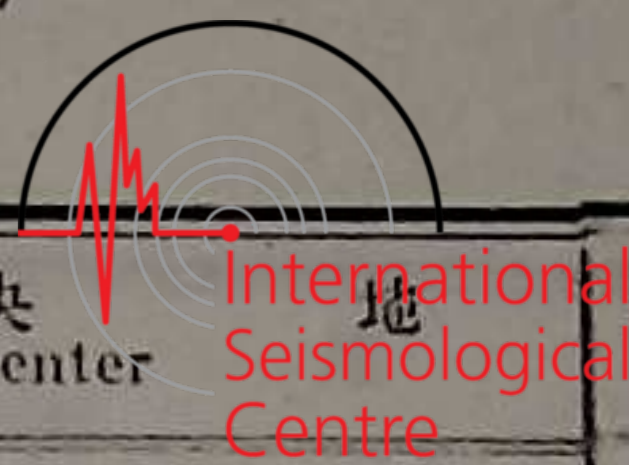


月日 Date	發震時 h. m. s.	第一初期 P-S or P-L m. s.	第二初期 S-L m. s.	最大動出現 M. h. m. s.	振幅 Amplitude μ	振動期 Period s.	距離 Distance K.M.	震央 Epicenter
Ⅶ 1	13 22 34	1 12	—	13 26 0	- 25	7.2	560	Isyuin, Satsuma
" 6	16 19 58	5 40	4 20	16 33 21	- 60	9.6	4450	In the South sea
" 7	17 45 44	8 43	—	17 58 2	+ 97	24.0	4140	"
" 8	22 16 29	—	—	22 28 48	+ 30	9.6	—	"
" 9	4 10 14	—	—	4 11 31	- 13	4.0	—	Kasima-nada
" 12	10 26 25	2 24	—	10 29 44	+542	19.2	1660	South off Ogasawarasima Island
" 18	15 44 16	0 9	—	15 44 28	58	1.0	100	Near districts of Kinai.
" 22	6 43 22	8 0	—	6 55 20	- 52	5.8	3860	In the South sea
" 25	20 1 6	0 8	—	20 1 55	+ 7	1.2	100	Near districts of Kinai
" 29	15 9 51	—	—	15 18 24	+ 12	8.6	—	A distant earthquake
" 29	18 50 51	—	—	18 55 56	+ 10	6.2	—	"
" 29	22 10 50	—	—	22 17 38	- 22	6.2	—	In the South sea
" 31	22 6 55	2 33	—	22 10 4	+ 25	5.0	1150	West off Hidaka, Hokkaido
Ⅷ 1	17 15 39	3 51	2 15	17 23 11	+1112	24.0	2590	A distant earthquake
" 2	18 13 15	0 13	—	18 13 40	- 24	1.6	120	In the Kii channel
" 4	1 23 45	0 53	—	1 24 59	+ 25	3.6	420	Lake Inawasiro
" 4	21 21 50	5 50	—	21 28 47	- 45	5.0	3010	A distant earthquake
" 6	22 34 25	27 53	—	23 25 34	+312	28.3	17580	Peru, South America
" 9	2 3 32	—	—	2 7 40	- 8	5.7	—	North eastern part of Honsyu
" 10	18 34 46	—	—	18 45 56	+ 25	9.6	—	A distant earthquake
" 13	4 34 34	16 7	—	4 59 2	+ 25	16.8	7040	Near Sumatra Island
" 15	6 0 14	1 5	—	6 1 29	+ 10	3.8	510	Kasima-nada
" 15	19 5 33	2 17	—	19 9 2	+350	15.8	1610	S. far off Bonin Islands
" 18	14 42 38	—	—	14 44 36	+ 9	4.1	—	Amami Osima
" 19	0 48 43	0 50	—	0 50 8	+ 20	3.8	400	In the Uruga channel
" 19	5 13 49	—	—	5 18 47	- 27	14.4	—	A distant earthquake
" 28	4 59 37	1 34	—	5 1 36	+ 41	5.7	730	Central part of Rikutyu
" 31	3 18 21	0 14	—	3 19 8	+ 7	1.9	140	In the Kii channel
" 31	6 13 15	—	—	6 13 22	- 20	6.7	—	A distant earthquake
" 31	17 19 28	—	—	17 34 36	+ 42	12.0	—	"
Ⅸ 2	19 4 10	—	—	19 7 20	- 37	5.0	—	Hyuga-nada
" 3	20 59 33	9 58	—	21 13 9	+220	26.4	4630	Western part of Luzon
" 6	16 38 28	0 44	—	16 39 33	+257	3.4	360	East off Aki
" 7	10 25 33	2 0	—	10 28 21	+ 20	4.4	910	Bonin Island
" 8	9 28 49	—	—	9 30 5	+ 8	3.7	—	Near districts of Kinai
" 8	22 30 11	0 56	—	22 31 9	+ 25	3.4	450	Off the coast of Kazusa
" 13	2 9 2	—	—	2 23 52	- 7	18.7	—	A distant earthquake
" 25	20 45 21	—	—	20 46 23	- 8	1.9	—	Near districts of Kinai
X 3	0 18 24	1 21	—	0 20 43	- 78	6.0	630	East off Rikutyu
" 8	20 4 12	0 59	—	20 5 37	- 28	4.1	470	Kasima-nada
" 9	15 27 55	0 31	—	15 29 27	- 20	2.9	260	Central part of inland sea
" 11	1 33 37	—	—	1 34 17	- 24	3.0	—	Central part of Honsyu
" 11	1 42 41	6 9	5 46	1 58 58	+ 87	17.9	4950	Caroline Islands
" 11	4 14 9	3 54	6 14	4 28 24	+430	21.6	5220	"
" 11	9 11 53	2 2	—	9 14 38	+2577	24.2	920	East off Rikutyu

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X 11	23 31 58	—	—	23 33 58	- 20	4.1	—	East off Rikutyu
" 12	1 35 32	—	—	1 37 36	- 15	3.8	—	East off the coast of Rikutyu
" 12	12 25 53	1 54	—	12 28 32	+ 55	5.0	880	"
" 12	17 5 50	1 55	—	17 8 47	-527	6.7	870	"
" 13	8 39 51	—	—	8 41 50	- 5	2.4	—	"
" 13	14 32 30	—	—	14 34 20	+ 8	2.0	—	"
" 13	15 39 38	—	—	15 42 38	+ 11	2.2	—	"
" 13	17 35 54	—	—	17 38 29	+ 14	4.4	—	"
" 14	8 18 58	8 13	—	8 29 6	-287	7.2	3940	Marianne Islands
" 14	8 46 47	—	—	8 50 35	+ 16	4.9	—	"
" 14	11 49 10	—	—	11 51 23	+ 9	2.6	—	East off the coast of Rikutyu
" 14	14 20 56	1 55	—	14 23 32	- 99	5.5	870	"
" 14	16 10 18	1 53	—	16 13 16	- 65	5.8	860	"
" 14	16 43 47	—	—	16 45 52	- 18	4.8	—	"
" 14	20 34 15	—	—	20 35 55	- 11	4.3	—	"
" 16	0 18 27	—	—	0 19 37	+ 21	2.9	460	In the Uraga channel
" 21	3 6 19	0 19	—	3 7 8	+ 60	2.0	180	Bingo-nada
" 29	4 40 47	10 24	9 40	5 3 56	- 22	16.8	9310	Near Sumatra Island
XI 1	0 44 11	—	—	0 45 58	- 47	1.8	450	Hyuga-nada
" 2	7 50 45	0 53	—	7 52 16	-132	4.8	420	NE off Hatijo Island
" 6	10 35 45	—	—	10 51 58	- 17	6.0	7340	Caroline Island
" 7	20 55 53	0 51	—	20 54 28	+ 16	5.0	410	Frontier of Hidati and Kozuke
" 10	21 22 46	8 2	7 0	21 39 50	- 27	21.6	6880	Caroline Islands
" 12	8 38 0	1 50	—	8 39 59	- 12	3.8	840	Near Hatijo Island
" 16	14 57 22	—	—	14 58 36	- 8	2.9	—	Near districts of Kinai
" 19	3 27 55	5 50	3 40	3 50 58	- 25	21.1	4620	Off the coast Celebes Island
" 23	21 23 24	4 48	3 14	21 33 7	+ 50	19.2	3560	Kamchatka
" 26	19 1 18	6 21	—	19 9 58	+ 20	7.2	3210	SE off Samoa Island
XII 3	8 8 50	—	—	8 11 55	- 65	10.0	1910	Near Formosa
" 9	1 31 6	—	—	1 32 54	- 22	7.2	—	Off the coast of Rikutyu
" 15	2 3 27	1 5	—	2 5 42	-505	4.0	510	South off Bay of Tokyo
" 15	17 48 3	—	—	17 54 6	+ 50	7.2	1960	North Eastern part of Formosa
" 21	15 45 2	4 46	3 57	15 57 36	-350	8.6	3530	Eastern part of Tibet
" 21	17 13 30	—	—	17 23 36	+ 27	9.1	—	"
" 26	7 14 17	0 6	—	7 14 49	- 37	2.6	50	Near Bay of Osaka
" 26	21 50 59	0 39	—	21 53 32	- 8	4.3	320	Off the coast of Sikoku
" 29	9 52 15	2 14	—	9 56 6	- 40	5.8	950	Off the coast of Nemuro
大 正 三 年 (1914)								
I 2	3 51 27	1 26	—	3 53 20	-140	5.3	660	Off the coast of Rikutyu
" 5	4 9 18	0 14	—	4 10 10	- 22	1.8	100	In the Kii channel
" 8	10 54 55	0 12	—	10 56 50	-217	4.8	560	Off Bōsō peninsula
" 10	19 4 49	1 31	—	19 6 29	- 12	4.8	570	Volcanic earthquake Originated at Sakurajima
" 10	21 0 57	1 12	—	21 4 52	- 27	6.0	560	"
" 11	1 4 21	1 14	—	1 8 21	- 37	7.2	570	"

時刻 本表ノ時刻ハ録成時ヲ用ヒタルヲ以テ之ヲ本邦中央標準時トナスニハ九時ヲ加フベシ例ヘハ二日ノ二十三時ハ三日ノ八時トナルガ如シ